

### KEY FEATURES

- High power handling 350 W<sub>AES</sub>
- High sensitivity: 97 dB (1W / 1m)
- 2,5" copper voice coil
- Lightweight curvilinear cone
- Extended controlled displacement: X<sub>max</sub> ± 8,25 mm
- 27 mm peak-to-peak excursion before damage
- Designed for low and mid frequencies reproduction



### TECHNICAL SPECIFICATIONS

Nominal diameter	300 mm	12 in
Rated impedance		8 Ω
Minimum impedance		6,5 Ω
Power capacity <sup>1</sup>		350 W <sub>AES</sub>
Program power <sup>2</sup>		700 W
Sensitivity	97 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		45 - 4.000 Hz
Recom. enclosure vol.	30 / 100 l	1,1 / 3,5 ft <sup>3</sup>
Voice coil diameter	63,5 mm	2,5 in
BI factor		14,4 N/A
Moving mass		0,057 kg
Voice coil length		19,5 mm
Air gap height		7 mm
X <sub>damage</sub> (peak to peak)		27 mm

### THIELE-SMALL PARAMETERS<sup>3</sup>

Resonant frequency, f <sub>s</sub>	43 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,5 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	5,3
Electrical Quality Factor, Q <sub>es</sub>	0,41
Total Quality Factor, Q <sub>ts</sub>	0,38
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	103 l
Mechanical Compliance, C <sub>ms</sub>	240 μm / N
Mechanical Resistance, R <sub>ms</sub>	2,9 kg / s
Efficiency, η <sub>0</sub>	1,9 %
Effective Surface Area, S <sub>d</sub>	0,055 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	8,25 mm
Displacement Volume, V <sub>d</sub>	453 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub>	0,6 mH

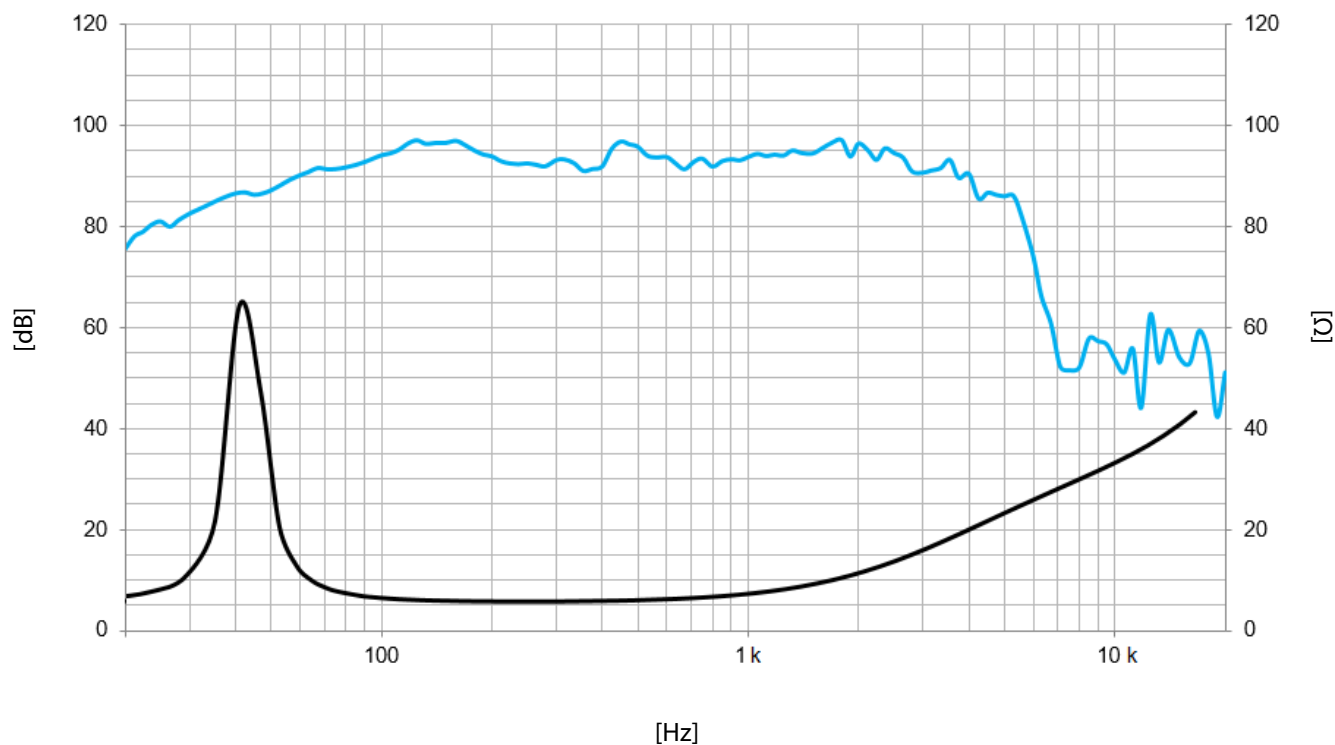
Notes:

<sup>1</sup> The power capacity is determined according to AES2-1984 (r2003) standard.

<sup>2</sup> Program power is defined as power capacity + 3 dB.

<sup>3</sup> T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

<sup>4</sup> The X<sub>max</sub> is calculated as (L<sub>vc</sub> - H<sub>ag</sub>)/2 + (H<sub>ag</sub>/3,5), where L<sub>vc</sub> is the voice coil length and H<sub>ag</sub> is the air gap height.



**Note:** Frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

### MOUNTING INFORMATION

<b>Overall diameter</b>	312 mm	12,3 in
<b>Bolt circle diameter</b>	294,5 mm	11,6 in
<b>Baffle cutout diameter:</b>		
- Front mount	278 mm	10,9 in
<b>Depth</b>	132 mm	5,2 in
<b>Volume displaced by driver</b>	4 l	0,14 ft <sup>3</sup>
<b>Net weight</b>	4,6 kg	10,1 lb
<b>Shipping weight</b>	5,3 kg	11,7 lb

### DIMENSION DRAWING

